<program> ::= <expression> <program> | ""

<expression> ::= <expression_opt> <line_end>

<expression_opt> ::= <definition> | <term> | ""

<definition> ::= <declaration> <whitespace> "=" <whitespace> <term>

<declaration> ::= "let" <whitespace> <variable>

<term> ::= <application> | <abstraction>

<application> ::= <operand> <application_opt>

<application_opt> ::= <application_opt'> | <application_opt"> | ""

<application_opt'> ::= <whitespace> <operand> <application_opt>

<application_opt"> ::= <whitespace> <abstraction>

<abstraction> ::= "\" <variables> "." <term>

<operand> ::= <variable> | <term_par>

<term_par> ::= "(" <whitespace_opt> <term> <whitespace_opt> ")"

<variables> ::= <variable> <variables_opt>

<variables_opt> ::= <whitespace> <variable> <variables_opt> | ""

<variable> ::= <letter> <variable_opt>

<variable_opt> ::= <symbol> <variable_opt> | ""

<symbol> ::= <letter> | <digit> | "_"

<whitespace> ::= " " <whitespace_opt>

<whitespace_opt> ::= " " <whitespace_opt> | ""

<line_end> ::= <whitespace_opt> ("\n" | "\0")